

ABSTRACT

This device facilitates field marking an arc of a circle having an obstructed center. It comprises a first clamp having a slot to engage a standard tape measure and a second clamp having another slot to engage a color-coded tape measure. A detachable swivel joint snap connects the first clamp to the second clamp, and a handle is connected to the first clamp.

A method is provided to use the device, a standard tape measure, a color-coded tape measure, a rod, and a scribe to mark out such an arc. The method comprises identifying coordinates of an eccentric ellipse, whose foci are field accessible, that will substantially overlap the arc. The two tape measures are anchored to the two foci. The standard tape measure is stretched tight between the two foci while the color-coded tape measure provides a string line for marking out a closely fitting elliptical arc segment.